

Approved  
R.B.  
2/22/05

Diagram illustrating a circular magnetic field structure. The structure is divided into 12 sectors, labeled SB1 through SB12, arranged radially around a central region B. The sectors are separated by radial lines. The central region B is a smaller circle containing vertical lines, indicating a magnetic field. The sectors are labeled SB1, SB2, SB3, SB4, SB5, SB6, SB7, SB8, SB9, SB10, SB11, and SB12. The central region B is labeled B. The diagram also shows a coordinate system with X and Y axes. The angle between the Y-axis and the radial line separating SB1 and SB12 is labeled  $\theta$ . The angle between the X-axis and the radial line separating SB1 and SB2 is labeled  $\theta$ . The label MS is also present near the top right.